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ABSTRACT OF THE DISCLOSURE

An optical dispersion measurement apparatus Includes a device for generating a light beam; wiring for inputting the light beam to a first terminal of an optical distributor; wiring for outputting the input light beam as a plurality of light beams; an optical modulation device for modulating at least two of the light beams; an optical path via which the at least two beams are returned to the optical distributor; wiring for outputting the light beams returned to the optical distributor from a second terminal of the optical distributor; a device for detecting the light output from the second terminal; and a device for relating an intensity of the detected light to an optical modulation frequency that is used.